



PTO/SB/08A (08-03)

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**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 15

Application Number	10/054,638
Filing Date	01/22/02
First Named Inventor	Robert P. Ryall
Art Unit	1645
Examiner Name	S.J.N. Davi
Attorney Docket Number	API-01-059-US

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
SD		US- 6248570	06-19-2001	Michon, Francis	435/101
		US- 20030157129	08-21-2003	Slaoui, Moncef M.	424/201.1
		US- 20020054884	05-09-2002	Peetermans, Julien	424/196.11
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		US- 4,814,276	03-21-1989	Evans, George L.	435/253.6

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
SD		WO 96/40242	12-19-1996	SmithKline B.		
		EP 831901 B1	04-01-1998	Slaoui, Moncef M.		
		WO 97/00697	01-09-1997	Peetermans, J.		
		EP 833662 B1	04-08-1998	Peetermans, J.		
		EP 245045 B1	11-03-1993	Anderson, P.		
		WO 87/06838	11-19-1987	Anderson, P.		

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SD

Date  
Considered

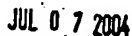
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First Named Inventor	Robert P. Ryall
Art Unit	1645
Examiner Name	S.J.N. Devi
Attorney Docket Number	API-01-059-US

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## U. S. PATENT DOCUMENTS

**FOREIGN PATENT DOCUMENTS**

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Signature**

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Sheet 4

of 15

Application Number	10/054,638
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First Named Inventor	Robert P. Ryall
Art Unit	1645
Examiner Name	S.J.N. Devi
Attorney Docket Number	API-01-059-US

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
97		EP 528635 B1	02-24-1999	Lee, A.		
		EP 630260 B1	01-24-2001	Schneerson, R.		
		EP 398615 B1	07-14-1993	Calabria, R.		
		WO 99/32653	07-01-1999	Michon F.		
		EP 562107 B1	05-02-2002	Moreau, M.		
97		WO 92/16232	10-01-1992	Schneerson, R.		

Examiner Signature	97	Date Considered	Novem-04
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PTO/SB/089 (02-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number	10/054,638
Filing Date	01/22/2003
First Named Inventor	Robert P. Ryall
Art Unit	1645
Examiner Name	Devi, Sarvamangala
Attorney Docket Number	API-01-059-US

Sheet	5	of	5
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**OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		GIEBINK G S ET AL: Pneumococcal capsular polysaccharide-meningococcal outer membrane protein complex conjugate vaccines: Immunogenicity and efficacy in experimental pneumococcal otitis media: The Journal of Infectious diseases, vol 167, no 2, February 1993, pages 347-355	
		CAMPAGNE G. ET AL: Safety and immunogenicity of three doses of a Neisseria meningitidis A+ diphtheria conjugate vaccine in infants from Niger. Pediatric Infectious Disease Journal, Vol 19, no 2 Pages 144-150	
		PAOLETTI L C ET AL: Neonatal mouse protection against infection with multiple group B streptococcal (GBS) serotypes by maternal immunization with a tetavalent GBS polysaccharide-tetanus toxoid conjugate vaccine: Infection and Immunity, Vol 62, no 8 Pages 3235-3243	
LD		BUNDEL D R ET AL: Determination of the structure and conformation of bacterial polysaccharides by carbon 13 nuclear magnetic resonance. The Journal of Biological Chemistry, Vol 249, no 7, April 10 1974, Pages 2275-2281	
LD		GOTSCHLICH E M ET AL: Human Immunity to the meningococcus. J. Exp Med, Vol 129, 1969, Pages 1349-1365	
SD		JENNINGS H J ET AL: Structures of the capsular polysaccharides of neisseria meningitidis as determined by c-nuclear magnetic resonance spectroscopy. The Journal of Infectious diseases, Vol 136, August 1977, Pages S78-S83	
SD		GOEBEL W F ET AL: Chemo-immunological studies on conjugated carbohydrate-proteins. J. Exp Med, Vol 68, 1938, Pages 469-481	
		CONSTANTINO P ET AL: Development and phase 1 clinical testing of a conjugate vaccine against meningococcus A and C. Vaccine, Vol 10, 1992, Pages 691-696	
SD		ROBBINS: Vaccines for the prevention of encapsulated bacterial diseases current status, problems and prospects for the future. Immunochemistry, Vol 15, 1978 Pages 839-854	

Examiner Signature	SD	Date Considered	November 04
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